PRELIMINARY ASSESSMENT

Columbus Auto Parts DATE: 15, May 1994

OHIO ID #: 125-1461 USEPA #: OHD004286381

Address: 575 Hudson Street

Columbus, Ohio 43216

Franklin County

Coordinates: Lat. N40⁰ 00' 45", Long. 82⁰ 29 ' 43"

Owners: Undetermined

The ownership and status of the facility was under litigation in Federal Court as of March 5, 1994.

Operator: (defunct) Columbus Auto Parts

3941 Research Park Drive Ann Arbor, Michigan 48109

Telephone #: none

Site Location:

Columbus. Auto Parts (CAP) is situated on Hudson Street in Columbus. The site is accessible via the 112 interchange of Interstate 71 and can be located on the USGS 7.5' Northeastern Columbus, Ohio Quadrangle (116NW) (Map 1). The facility consists of a fully fenced 32 acre industrial site with many large structures (Map 2). The site is bordered by a Conrail Railroad easement to the west, Hudson Street and Johnson Controls to the north, Interstate 71 to the east and the Ohio Historical Society to the south. CAP is established in a densely populated area that is punctuated with commercial/industrial complexes along the Conrail Railroad tracks.

Site History:

Records show that CAP had been owned by the Klages family from 1912 until it was sold to LaRizza Industries in 1987. Continuous operations had been conducted at the Hudson Street facility from 1912 through 1988. The company produced metal front end components for the auto industry by the use of forging and machining processes.

- 1973 OEPA issued initial operation air permits for oil fired boilers, nitride and heat treatment furnaces, electric salt baths, wheelabrator tumblasts and stand grinders.
- 1977 March OEPA approved the plans for an Industrial Waste Water Treatment Facility in the form of a closed circuit cooling system for the forge shop at the CAP facility.
 - August OEPA's District Engineer approved the closed circuit cooling system at the CAP facility.
- 1978 An Initial Pollution Incident Report 7804-25-0649 was filed in reference to the improper disposal of machine and #2 fuel oil in the sewer.

- 1980 CAP filled a Notification of Hazardous Waste Activity on August 18.
- 1987 Tricil agreed to treat and dispose of CAP's waste napthacutting oil. Electra-Bora Inc. acted as the waste transporter.
- January 21 An OEPA Division of Solid and Hazardous Waste Management (DSHWM) inspection determined that CAP produced methylene chloride, tetrachloroethylene and naphtha as hazardous waste and possibly Extraction Procedure Toxicity (EP Tox) Characteristic oils. During the inspection it was observed that CAP conducted a very sloppy operation -- there was significant oil contamination around the drum storage area (DSHWM Inspection Report, January 1988).
 - February OEPA DSHWM informed CAP of the violations that were observed during the January inspection and gave 30 days for the facility to come into compliance.
 - On March 28, TECON conducted a hazardous waste audit at the CAP Hudson Street facility by reviewing and evaluating the processes of waste generation and management in each production area.

 As a result of their audit, TECON concluded the CAP facility did not generate any significant quantities of hazardous waste.
 - June OEPA determined that CAP was no longer classified as a hazardous waste generator based upon a review of information submitted by CAP.
 - In late December, CAP closed down production at its Hudson Street facility and moved operations to Michigan.
- On March 9, a site visit was conducted by OEPA Division of Hazardous Waste Management/Division of Solid and Infectious Waste Management (DHWM/DSIWM) personnel. No access to the facility was gained, however, upon walking the fenced perimeter of the property, personnel photographed more than 20 drums and observed extensive contamination.
 - In May, Burgess and Niple Engineers, Architects performed a Phase II Environmental Assessment of the CAP's Hudson Street facility at the request of the BayBank Middlesex of Burlington Massachusetts, which holds a principal mortgage on the property.
- 1994 On January 7, OEPA Special Investigation Unit (SIU) personnel visited the site, upon the report that buried drums were on-site. Upon entering the facility SIU personnel walked through various standing structures and photographed drums throughout the property.

Geology/Hydrogeology:

The facility is located in the glaciated section of the Central Lowlands Region of Ohio. The local bedrock (Ohio and Olentangy Shale) is a carbonaceous shale that grades to a soft clayey shale. It is not a dependable source of water and generally

yields less than 2 gallons per minute. The average depth to bedrock on the site is between 6 to more than 15 feet (Map 3) (State of Ohio Department of Natural Resources, Division of Water, 1958).

Bedrock is overlain by Wisconsin age ground moraine, which varies in thickness from 6 to 20 feet. The ground moraine is considered a meager source of water, however, small water supplies are sometimes developed in the thin lenses of sand and gravel that are interbedded in the basal till (Map 4) (State of Ohio Department of Natural Resources, Division of Water. 1958).

The soils that cover the surface of the glacial deposits are the (<u>BfA</u>) Bennington-Urban land complex of the Bennington-Pewamo Association. These deep, poorly drained soils (permeability between 0.06 and 2.0 in/hr) are formed in limy, medium and moderately textured upland glacial tills (Map 5) (United States Department of Agriculture, Soil Conservation Service et al., 1980).

The average depth to the water table is 4 feet, but depth fluctuates with climatic changes. Shallow depth to water on the site is due to the perching effect of clay lenses that are found throughout the till. Deep groundwater flow in the area is generally to the east/southeast (Map 6a), while the perched groundwater on site flows to the east (Map 6b) (State of Ohio Department of Natural Resources, Division of Water, 1958 and Burgess and Niple Engineers, Architects., May 1992).

Waste Characteristics:

In 1992, BayBank Middlesex of Burlington Massachusetts contracted Burgess and Niple to perform a Phase II Environmental Assessment of the CAP's Hudson Street facility in an effort to define the extent of any contamination. Twelve soil samples were collected from auger borings. Six water samples and groundwater level data were collected from the 9 monitoring wells and 11 piezometers, which were also installed during the investigation.

As a result of the Assessment, three principal areas of oil, volatile organic compound (VOC) and polynuclear aromatic hydrocarbon (PAH) contamination were determined: the Oil Pit area, the Loading Dock and the areas between and to the west of Buildings 1 and 2 (including the Shed and underground storage tank (UST) All of the facility's buildings contained asbestos. VOC, PAH and oil contamination was found in the soil throughout the The only identified source of areas demarcated on Map 8. polychlorinated biphenyl (PCB) contamination was found in the structure known as the Shed. The sample collected from the Shed yielded 180 ppm of PCBs, but no VOCs or SVOCs were tested for at that site.

Summary of existing sampling and analytical data:

Eight asbestos samples were collected from the buildings of the facility. Five of the eight had positive results. Five PCB samples were collected from various locations throughout the facility and yielded one sample with 180 parts per million (ppm), while the remainder were non-detect. Twelve soil samples, six water samples and groundwater level data were collected throughout the site and analyzed by Burgess and Niple Engineers' Laboratory.

All soil samples, were analyzed for barium, cadmium, chromium, lead, pH, total petroleum hydrocarbons (TPH), VOCs, PAHs, bis(2-ethylhexyl)phthalate and acid compounds. Of the twelve soil samples collected, nine were from the UST area, two from the loading dock area and one background (Map 8). The soil samples from the UST area tested positive for: barium, lead, VOCs, PAH's, methylene chloride, xylenes, tetrachloroethene and chlorobenzene, in varying degrees. The background soil sample was collected in the northeastern corner of the property, between the facility and Interstate 71.

Groundwater samples were collected from Piezometer 4 and Monitoring Wells 1, 7, 7D, 8 and 9. All of the groundwater samples, except MW-1, were analyzed for barium, cadmium, chromium, lead, pH, total petroleum hydrocarbons (TPH), VOCs, PAHs, bis(2-ethylhexyl)phthalate and acid compounds. The MW-1 and Piezometer 4 sample yielded positive results with bis(2-ethylhexyl)phthalate.

Sampling and analytical data are summarized in Map 7, Map 8, Table 1 and Table 2 (Burgess and Niple Engineers, Architects., 1992).

Probable Receptors:

The CAP facility is located on a topographic high with a perched water table that occurs within the zones of soil contamination. This condition presents a good potential for groundwater contamination to occur on site and ultimately migrate down gradient towards the private residences and the Ohio Historical Society.

The site is also located in a densely populated area. Although the currently abandoned property is fully fenced, it is particularly attractive to juveniles and trespassers. Multiple incidence of vandalism and arson may have exposed the trespassers to on site contaminants.

Surface Water Pathways:

Early in 1977, CAP brought on-line an approved waste water treatment plant. The treatment plant was designed to treat and discharge water from the forge shop's non-contact cooling water system directly into the Columbus City Sewer system. During the time of operation, the only discharge violation was related to the improper disposal of machine and #2 fuel oil in the sewer and not the treatment plant.

The current surface water pathway is limited to run off. The CAP facility occupies a topographic high in relation to most of the surrounding area. Subsequently, most of CAP's surface run-off discharges into the local storm sewers and onto the lower lying private residences and the properties of the Ohio Historical Society.

Groundwater Pathways:

The infiltration of surface waters, that have come in contact with contaminated soil, present a potential threat to the quality

of the groundwater, which passes beneath the CAP facility. Groundwater sample results from Monitoring Wells #7, 7D and 8 show low levels of TPH (6.0, 4.9 and 3.7 ppm respectively). Low concentrations of TPH indicate that contaminants may have begun to migrate from the soils into the groundwater.

The CAP facility was known to use an on-site production well to provide cooling water. The condition of the well is unknown, but its presence indicates an elevated possibility for the introduction of surface contaminants into the groundwater. According to well logs from the Department of Natural Resources, there are several industrial/commercial production and monitoring wells that lie within a 2 mile radius of the facility. These wells are potential receptors and could facilitate the spread of CAP related contamination to groundwater in the area.

CAP management expressed the intent to have the several USTs removed in 1987. The ultimate fate and condition of the USTs are unknown (response from the Bureau of Underground Storage Tank Removal, March 1994). The tanks were used to store oil and gasoline and were located to the west between Buildings 1 and 2. The presence of USTs could pose a serious threat to groundwater quality depending upon their condition.

The nature and condition of two large open waste oil pits, which were located on the west side of Building 2, are also unknown, and may be a source of environmental contamination.

Soil Pathways:

Soil samples from the CAP facility have documented oil, VOC, PAH and PCB contamination. Samples were collected for analysis from 2 to 8 feet in depth. Contamination found in the boring samples extend beyond the unsaturated and into the saturated zone. This condition presents the opportunity for soil contaminants to migrate into the groundwater and compromise water quality.

The facility is fully fenced, however, trespassers have not been deterred from gaining access to the property. Individuals trespassing on the site run the risk of exposure to VOCs, PAHs and PCBs that are present in the soils.

Air Pathways:

CAP has been closed since 1988 and holds no current air permits. During operations the facility held permits for oil fired boilers, nitride and heat treatment furnaces, electric salt baths, wheelabrator tumblasts and stand grinders with no serious air violations.

There is no air exposure threat that extends beyond the confines of the property at this time. However, site visitors run the risk of exposure to asbestos in the buildings and various volatile organic vapors that may emanate from contaminated soils.

Recommendations:

The Columbus Auto Parts facility has been identified as being contaminated with oil, VOCs, PAHs and PCBs. It is possible that buried drums and USTs are on the property.

Because the facility is located in a densely populated area and on a topographic high, which has a perched water table, there is a potential for groundwater contamination and human exposure to occur. Until the contamination is abated, the threat to human health and the environment will continue. It is, therefore, recommended that the Columbus Auto Parts facility on Hudson Street receive a medium priority designation for State action.

References:

Ohio Environmental Protection Agency, Division of Air Pollution Control, files.

Ohio Environmental Protection Agency, Division of Surface Water, files.

Ohio Environmental Protection Agency, Division of Hazardous Waste Management, files.

TECON Inc.. March 1988, Columbus Auto Parts RCRA Audit.

Ohio Environmental Protection Agency, Site Investigation Unit, files.

Burgess and Niple Engineers, Architects. May 1992, Phase II Environmental Assessment - Part 2., Columbus Auto Parts Site., Columbus, Ohio.

State of Ohio Department of Natural Resources, Division of Water. 1958, Groundwater Resources of Franklin County, Bulletin 30.

United States Department of Agriculture, Soil Conservation Service et al. 1980, Soil Survey of Franklin County, Ohio.

Ohio Department of Natural Resources., Well Logs.

Bureau of Underground Storage Tanks response to OEPA. March, 1994.

Prepared by

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Division of Emergency and Remedial Response

Central District Office

Reviewed by

Manny Ayeni Group Leader

Division of Emergency and Remedial Response Central District Office

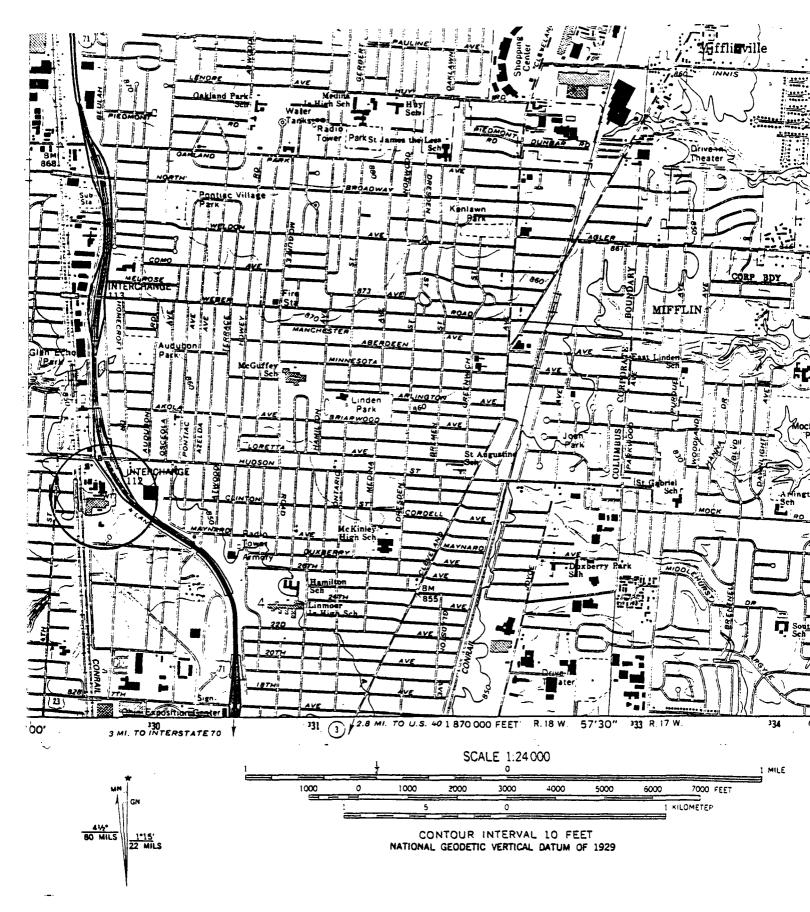
Reviewed by

Debbie Strayton

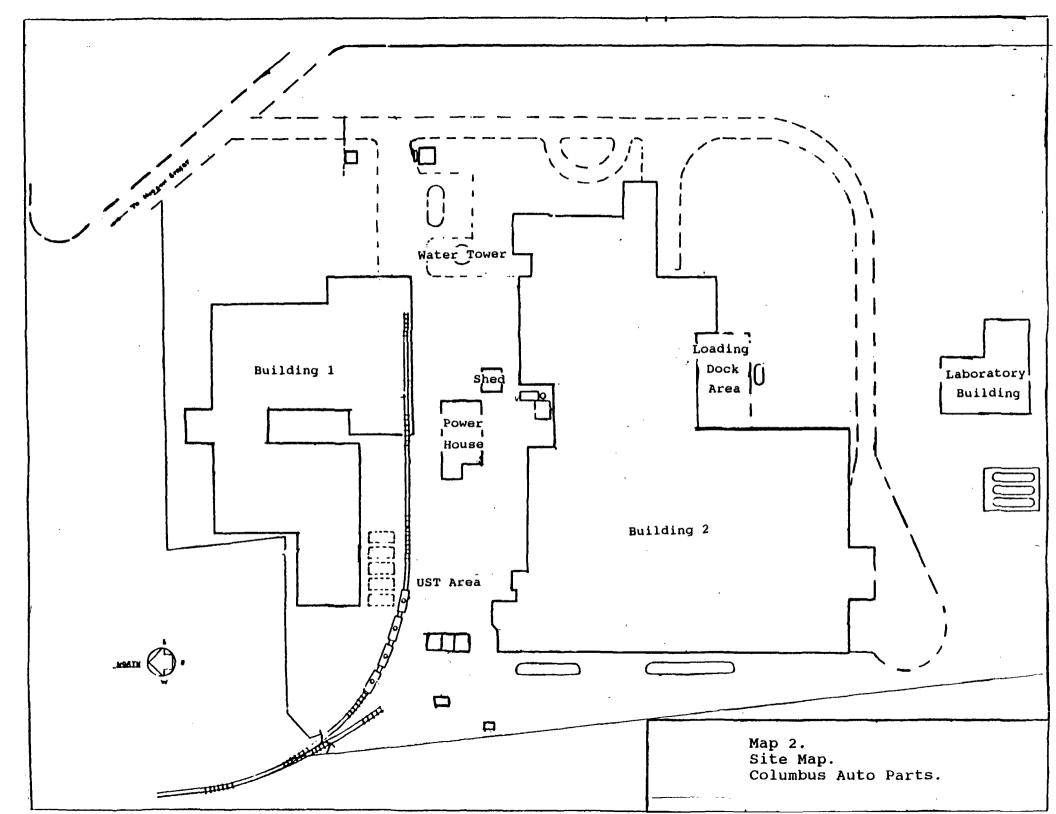
Unit Supervisor

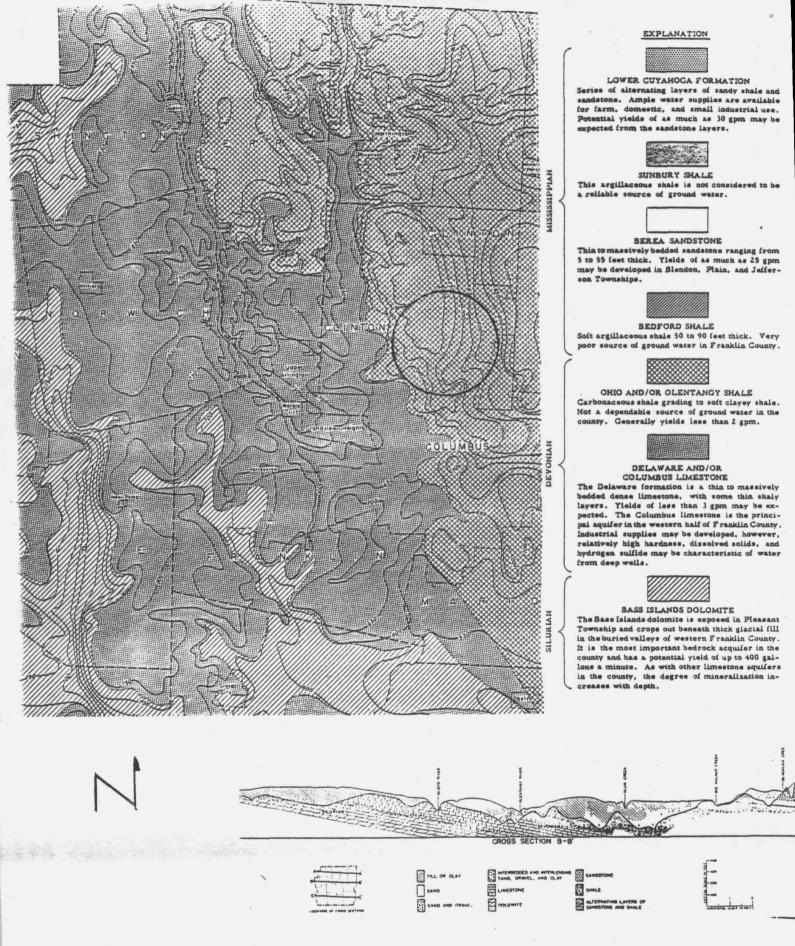
Division of Emergency and Remedial Response

Central District Office

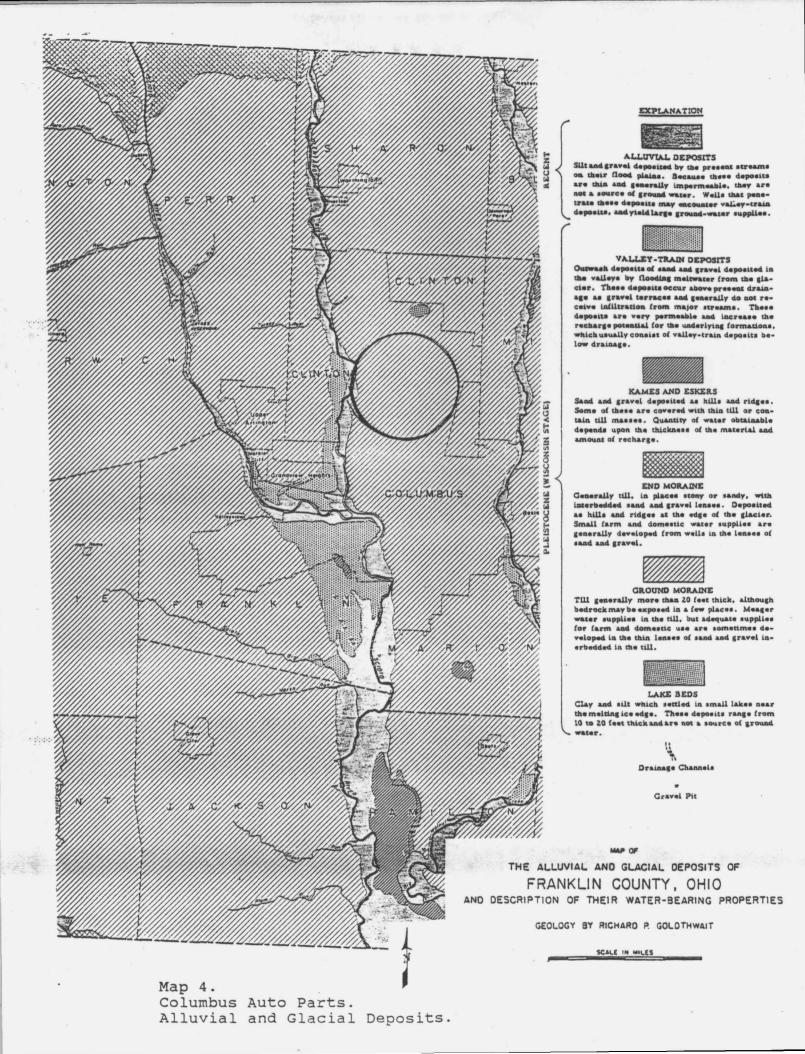


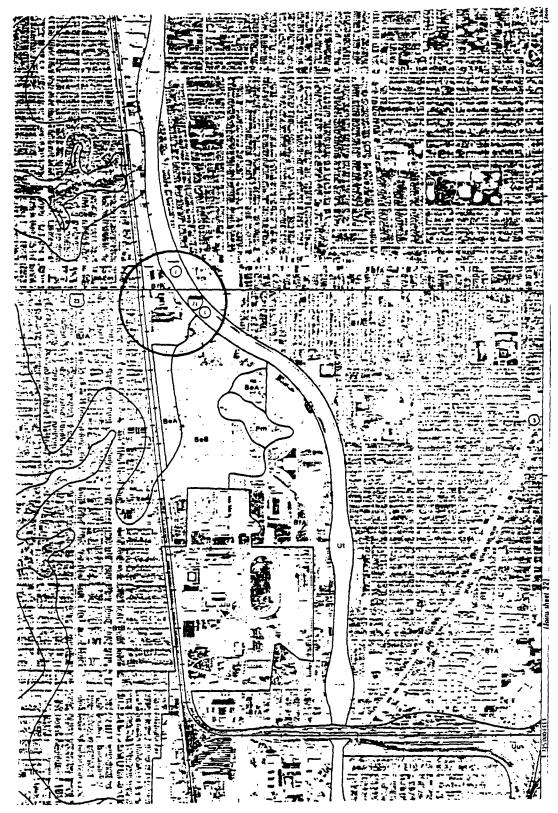
Map 1.
Location Map.
Columbus Auto Parts.
USGS 7.5' 116NE.
Northeastern Columbus, Ohio.





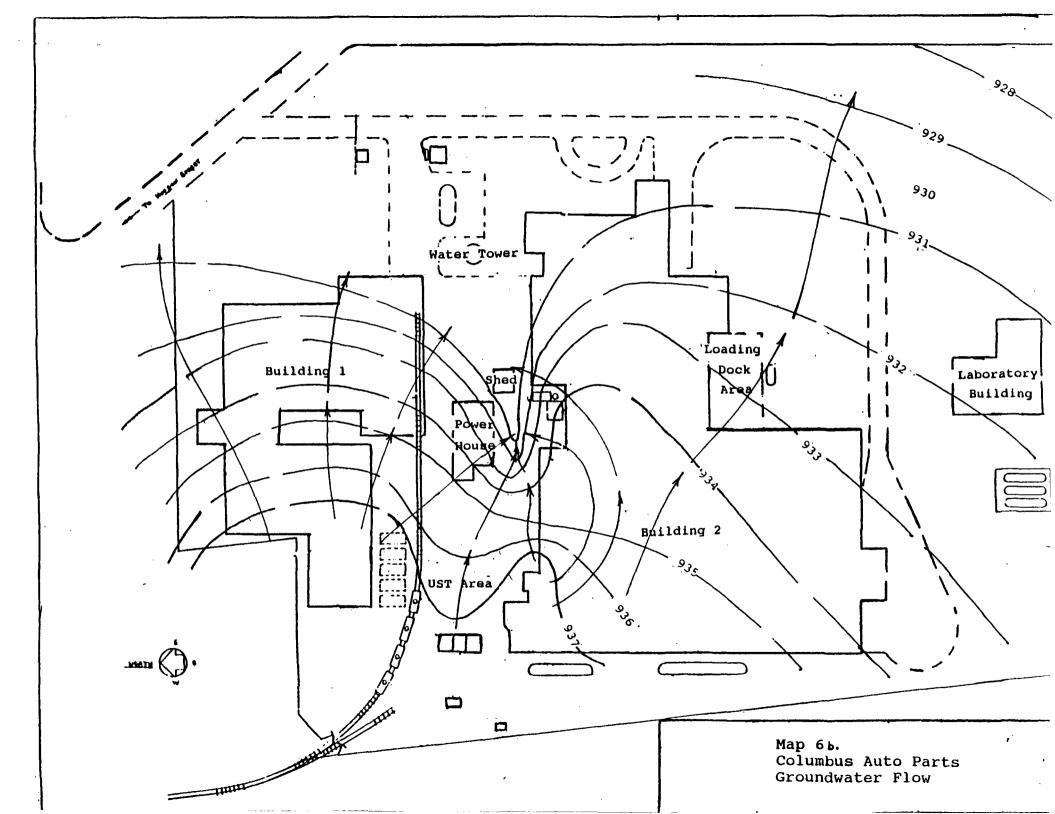
Map 3.
Columbus Auto Parts.
Bedrock Map and X-Section.

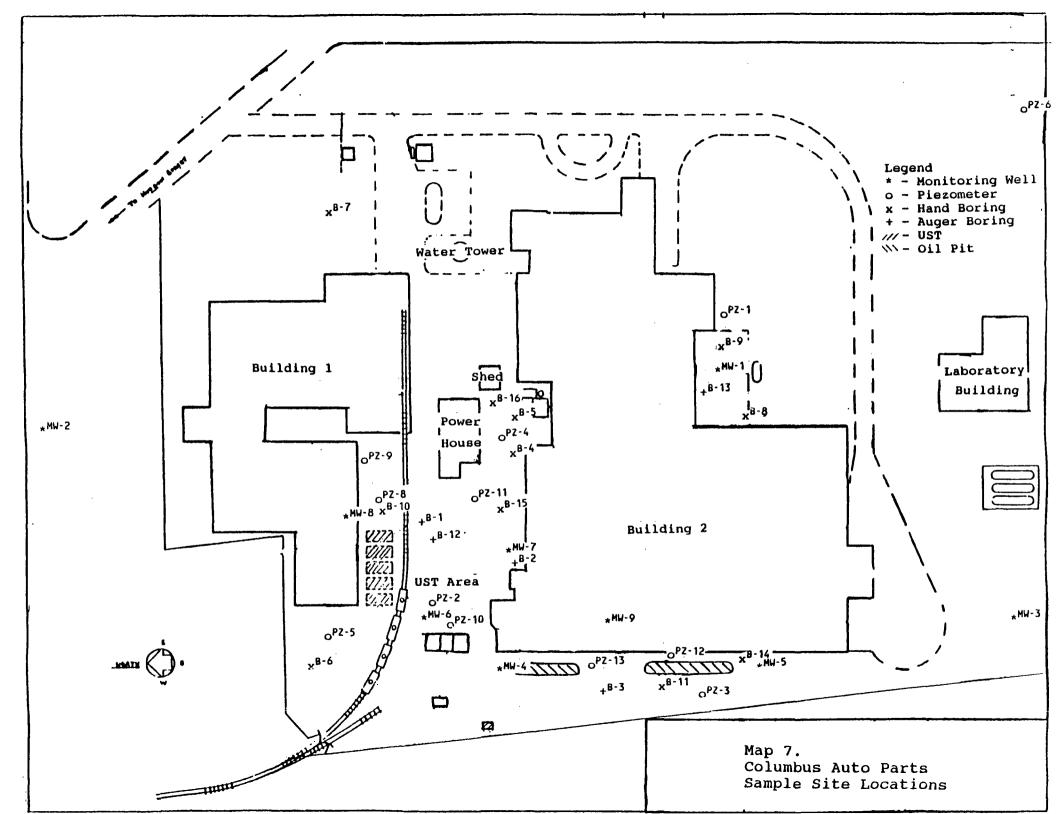




Map 5. Columbus Auto Parts. Soils Map.







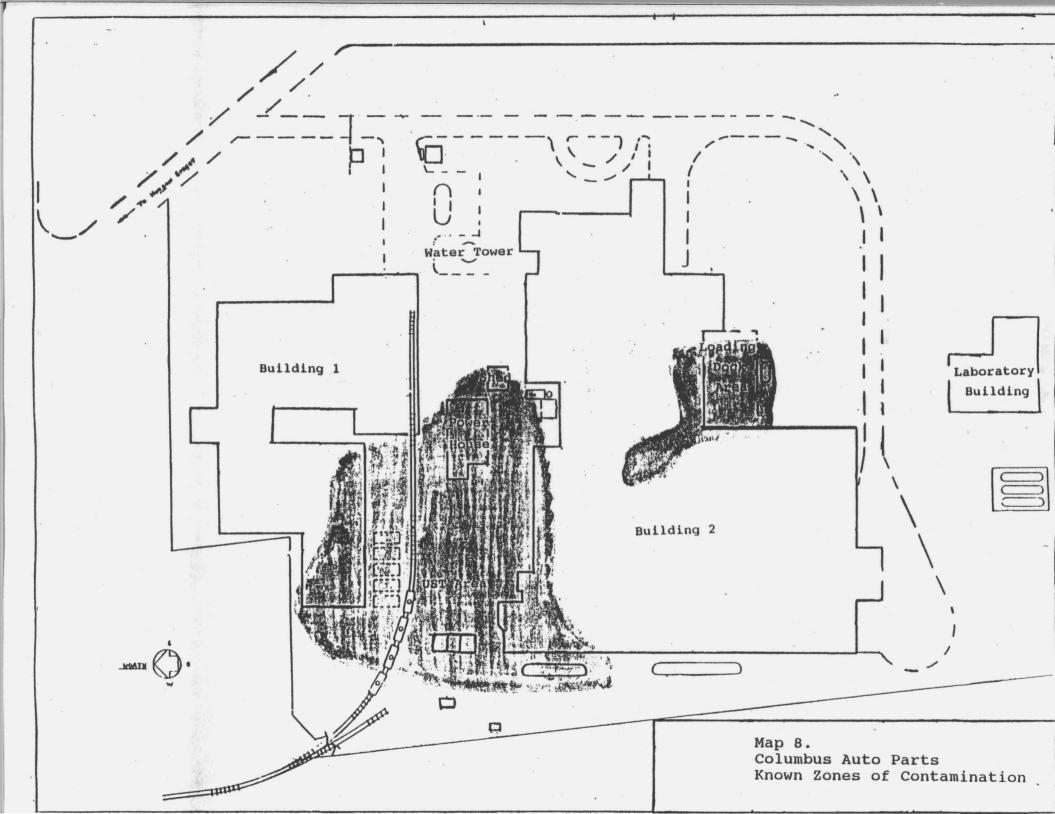


Table 1.

Groundwater Sampling Results

March 31, 1992

Former Columbus Auto Parts Site

Columbus, Obio

<u>Parameter</u>	Units	<u>MW-1</u>	<u>MW-7</u>	MW-7D	<u>MW-8</u>	<u>MW-9</u>	<u>PZ-4</u>
Barium -	пã\J	NA	390	370	340	130	<100
Cadmium	ug/l	NA:	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	ug/l	.NA	<2.0	<2.0	<2.0	<2.0	<2.0
Lead	ug/l	NA	<2.0	<2.0	<2.0	<2.0	<2.0
рН	S.U.	NA	6.9	6.9	7.1	6.9	7.0
ТРН	mg/l	NA	6.0	4.9	3.7	<1.0	<1.0
Volatile Compounds, SW8240	ug/l	NA	ND	ND	ND	ND	(a)
Base/Neutral Compounds SW8270	ug/l		ND	ND	NA	NA	NA
Bis (2-Ethylhexyl) Phthalate	ug/l	54	ND	ND	NA	NA	23
Acid Compounds SW8270	ug/l	ND	ND	ND	NA	NA	ND

⁽a) Sample contains 1,3-Propanediol, 2,2-Dimethyl-, CAS No. 126307, at an estimated concentration of 1,100 ug/l. No other VOCs were detected.

ND = None Detected.

NA = Not Analyzed.

Table 2 (Continued).

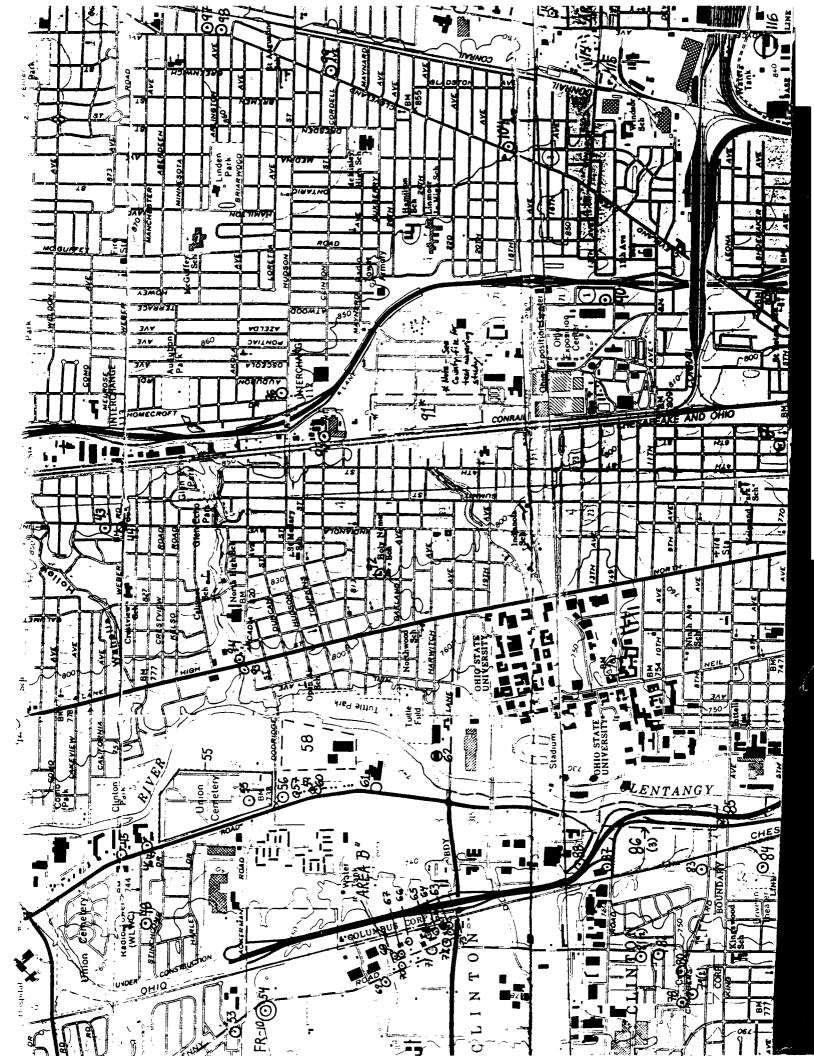
		Detector.			Dock Area	
	Units	Paint Sto B-15	nnge Aica B-16	B-13 ₁ (2'-4')	B-13 (6'-8')	Background B-7
Barium	mg/kg			480	280	170
Lead	mg/kg	••	••	1,700	120	72
TPH	mg/kg		••	4,700	100	23
B-N Compounds SW8270			•			
Indeno (1,2,3-ZD)Pyrene	mg/kg	30		ND	ND	
Phenanthrene	mg/kg	100				
Pyrene	mg/kg	110	33			
Benzo(a)Anthracene	mg/kg	75				
Benzo(b)Fluoranthene	mg/kg	73				
Benzo(k)Fluoranthene	mg/kg	53	19			
Benzo(g,h,i)Perylene	mg/kg	28				
Benzo(a)Pyrene	mg/kg	58				
Chrysene	mg/kg	77				
Fluoranthene	mg/kg	120	37			
Acid Compounds SW8270		ND	ND	ND	ND	•
Volatile Compounds SW8240		•	••			
Methylene Chloride	ug/kg			13	12	
Anthracene	mg/kg	30 🕟			•	
Sample contains 1,3-Propanedic	ol, 2,2-Dimethy	/l-, CAS No. 12	26307, at an estit	nated concentration	n of 70 ug/kg.	

²Sample contains 1,3-Propanediol, 2,2-Dimethyl-, CAS No. 126307, at an estimated concentration of 30 ug/kg.

Table 2.

Soil Sampling Results
3-23-92 Sampling Event
Former Columbus Auto Parts Site
Columbus, Ohio

					UST Area	l		
		MW-7	MW'-8	MW'-9	B-12	PZ-10	PZ-12	PZ-13
	Units	<u>(6'-8')</u>	<u>(6'-8')</u>	(2'-4')	<u>(0'-2')</u>	<u>(6'-8')</u>	(4'-6')	(4':6')
Barium	mg/kg	97	320	84	130	68	400	110
Lead	mg/kg	14	11	16	. 16	18	13	25
ТРН	mg/kg	870	910	18	3,600	420	17	30,000
Volatile Compounds, SW8240		ND		ND	ND		ND	
Methylene Chloride	ug/kg		12					
Xylenes	ug/kg					24		90
Tetrachloroethene	ug/kg	,						16
Chlorobenzene	ug/kg		10					



WELL LOG AND DRILLING REPORT

State of Ohio

Division of Water Columbus, Ohio

No. 228244

DEMARTMENT OF NATURAL RESOURCES PLEASE USE PENCIL OR TYPEWRITER. DO NOT USE INK. 1562 W. First Avenue

Address 606 Riverview Dr.

County Franklin	Township	Clinto	NSection of Township	********
Owner Ohio Fyel	GAS	Co.	Address 920 W. Good Ale Blu	4.
Location of property Ind	lonni	A Ave	rweber Rd	•••••
CONSTRUCTION			BAILING OR PUMPING TEST	
Casing diameter 8" Len	gth of casin	£ 8'	Bail Pumping rate 25 G.P.M. Duration of test	2 hrs
Type of screenLen	gth of scree	n. –	Drawdown So ft. Date JA 320	1196
			Developed capacity	
Capacity of pump		******************	Static level—depth to water	ft
			Pump installed by	
Date of completion	0.196	.4		
WELL LO)G		SKETCH SHOWING LOCATION	
Formations Sandstone, shale, limestone, gravel and clay	From	То	Locate in reference to numbered State Highways, St. Intersections, County roa	ds, etc.
Clay	0 Feet	<i>8</i> Ft.	N.	
Black shale	8	861		
Blue Shale	36'	681	H and A	
Black Slavile	68	116'	2 2	
Blue Shale	116'	146'	W. (2)	E.
3 lack State	146'	162'	weber of	
Brown Shale	146'	171'	Pwell	
ime stone	17/1			
Dell is for Flection Clean Gas line	nic eq	ripment	S. See reverse side for instructions	CATED
Drilling Firm Leamon I	مبالنيح	3	Date FED 11, 1964	

Signed Admice M

DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER

Cirina Cirina	
Co. Franklin Twp.	Sec
Columbus Auto Parts (
Owner Hudson Ave : and	Penn Tracks
Address Columbus Orlo	
Well location	
Construction Details	Pumping Test
Casing: Diam	Rate:
Screen:	Hrs.;
Type of pump:	D.D
Capacity:	s.L20
Depth of setting:	Date
Owner's Well No	
Driller	1-n-c
Located byj.j.j.gDate	
Remarks	

**		 1884	4 4 7	
Office No		7004	าาล	
Office No		 ·····83955	3	*********
Log form N	Го	 -Frankî	4	•••••
Quad				

Quad			
CMD A M A	De	pth	
STRATA	From	To	
Elevation			
Fill Clay Soft Shile Hard Shale Soapstone Shale Soapstone	0 10 15 33 45 80 130	10 15 33 45 80 130 133	
	95 LOCATE		

*Approximate Location

853

DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER

Owner Linden Theater, Address 2436 Cleveland Ave Well location Columbus, Ohio	₿.•
Construction Details	Pumping Test
Casing: Diamlength	Rate:
Screen:	Hrs:
Type of pump:	D. D
Capacity:	
Depth of setting:	Date
Owner's Well No# 377	
Driller C.E. Records	
Located by Sen	Data 1950

Office No)	1175	 	 ••••
Log form				
Oned				

Quad. Westerville		····
S T A T A	Depth	
STRATA	From	To
Clay Hard le? 5// Black sh? Gray slate & mud Brown 1s Hray 1s	201	218 221 229 300 320 350
	Loc	97 CATED

* Approximate Location

M-15 010 12.

OHIO WATER SUPPLY BOARD

Well Record No. 116

·	
25	_
Co. Franklin Z5 Well Location east side of bld	9 Sec
Well Location east side of bld	6. Size 6"
. Young's Dairy, Cleveland	Ave., Colman Westerville
Owner Young's Dairy	non-responsiv
Owner Young's Dairy	Add
Driller G. M. Baker	Date 2-14-44
Well Head Elev. or M. P.	
Elev. of Ground at Well	
Pumping Test:	
4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Static Level 53!	Date 2-14-44
Normal Pumpage	
Quality	Use
Adequacy of supply	

Owner's Well No. or Other Designation	on

Source of Data Drillor RK	
Collected byRK	Date 5-8-44

Well Record No. 110							
STRATA	DE	РТН					
SIRAIA	From	То					
Yellow clay grey clay grey clay and gravel grey clay sand and gravel clay	1 20 31 38 65 82½	20 31 38 65 82					
non-responsiv	е	· (
• Chief Aquifer	98 LOCATE						
· Ciner adulter							

304

OHIO WATER SUPPLY BOARD

Well Record No.

122

Co. Franklin Twp.

Well Location Cleve Theatre

1754 Cleve Ave.

Map Westerville

Owner Cleve Theatre

Owner Cleve Theatre

Address

Col., Ohio

Driller G. M. Baker

Date 3-25-38

Well Head Elev. or M. P.

Elev. of Ground at Well

Pumping Test:

Static Level

Adequacy of supply

Owner's Well No. or Other Designation

Source of Data Driller

Collected by RK

Date 3-25-38

Well Record No			
STRATA	DEPTH		
SIRAIA	From	To	
mud and gravel mud, gravel and boulders mud, gravel, some sand mud and gravel gravel and water clean gravel and sand	20 45 70 112 124	20 45 70 112 124 128	
X= 1,866,900 Y= 152,600-N	LOCAT	ED)	

Chief Aquifer

WELL LOG AND DRILLING REPORT

Department of Natural Resources, Division of Water

1939 Fournam Square Drive, Columbus, Ohio 43224 Phone (614) 265-6739

718614

Permit Number

COUNTYFranklin	TOWNSH	(IP <u>C1</u>	inton SECTION/LOT No. (CIRCLE ONE)	
OWNER/BUILDER Dairy Mart		ا	PROPERTY ADDRESS 3166 N. High (ADDRESS OF WELL LOCATION A)	
LOCATION OF PROPERTY NE Corner of N H	igh & P	acemor	nt Intersection	
			TION DETAILS	
CASING Borehole Diameter 6	in.		GROUT	
	ickness	2.37	Material bentonite, cementolume used 2 feet	
2 Diameter in. Length ft. Wall Th	ickness	in	Method of installation tremie	
Type: ISteel IGalv. IPVC IIOthe	r		Depth: placed from 2 ft. to surface GRAVEL PACK (Filter Pack)	ft
Joints: $\stackrel{\square}{\lambda}$ Threaded $\stackrel{\square}{\mathbb{Z}}$ Welded $\stackrel{\square}{\mathbb{Z}}$ Solvent $\stackrel{\square}{\mathbb{Z}}$ Othe			Material quartz Volume used 700 1bs. Method of installation tremie	
			Depth: placed from 2 ft. to 19	ft
SCREEN	<u></u>		Pitiess Device	''
Type (wire wrapped, louvered, etc.)slot Materia	alPVC			
Length 15 ft. Diameter 4			☐ Rotary ☐ Cable 1 ☐ Augerect ☐ Driven ☐ Dug ☐ Other	
	Slot10	± 	Date of Completion	
WELL LOG* INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERE	D.		Bailing Pumping* Other	
Show color, texture, hardness, and formation:		-	Test rate gpm Duration of test	
sandstone, shale, limestone, gravel, clay, sand, etc.	From	То	Drawdown	_
MW # 2			Measured from: ☐ top of casing ☐ ground level ☐ Other ft. Date:	
Black top, gravel	0	5	Quality (clear, cloudy, taste, odor)	
Clay	5	4	*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Sand and Clay	4	8	PUMP	
Fine Sand		12	1 "	.gpm
			Pump set at	ft.
Sand & Clay	12	14-	Pump installed by SKETCH SHOWING WELL LOCATION	
Gray Clay	14	20	Show distances well lies from numbered state highways,	
			street intersections, county roads, etc.	
			N	
			, .	
	,			
	 		muz Dairy Mart	
	 	-	lo Daily	
		-	w omwi	Ε
			PF	
			/ acemon \	
			۱ ۱۲	
			N High St.	
"If additional space is needed to complete well log, use next consecu	tively aumbo	red form	S DNR 784	2.90
Drilling Firm REYNOLDS, INC.			Signed Rushand ask	
6451 Germasntown Rd.			Date 12-5-90	
City, State, Zip Middletown, Ohio 45042			ODH Registration Number	



DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER

DIVISION OF WATER		
CoFranklinTwpFr	anklin sec	
Owner .E. G. E. Labachur		
Well location Same		
Construction Details	Pumping Test	
Casing: Diamlengthlength	Rate:	
Screen:	Hrs:	
Type of pump:		
Capacity:	S.L251	
Depth of setting:	Date	
Owner's Well No	***************************************	
Driller Lea Stipp		
Located byj.js	e 	
Remarks		
***************************************	***************************************	

Office No	1767	jjs	
Log form No	81380	***************************************	
Quad			

Quad	<u> </u>	
STRATA	Depth	
	From	To
Elevation		
top lay blue clay sand gravel blue clay fine sand water in gravel at80!	0 8 35 45 75	8 35 45 75 80
X=1,841,900 Y= 699,900-5	99 LOCAT	B

* Approximate Location

About colf

M17 10- 005

OHIO WATER RESOURCES BOARD

co. Franklin Twp. Well Location Hudson B	ait Co	Sec. 1 Size 5" x 21'2" Map Westerville
OwnerClyde W. McC DrillerR. V. Dillon as	oman Add nd Son	Date 6/2/48
Well Head Elev. or M. P Elev. of Ground at Well		
Pumping Test: 7.GP	M for 3 hrs	; 32' DD
Static Level	18'	Date 6/2/48
Quality		Use
Adequacy of supply		
Owner's Well No. or Other De		
Source of Data Driller		
Source of Data Driller Collected by		Date June 1940

Well Record No. 435

	DEPTH	
	From	To
Black silt Yellow clay Black shale Green shale Brown shale Total depth 95' Crevise more water at 95' Type of pump: Cook 3 hp je Capacity: 500 gph at 80' Depth of setting: 84'	O t.	4 15 45 69 95
X=1,863,100 Y= 127,400-N	96 LOCAT	

* Chief Aquifer

OHIO WATER SUPPLY BOARD

25	
co. Franklin Two City of Col	S Sec
Well Location 3075 Indianola Av	e. Size 8"
Cols.	Map Dublin
	~ 3 1 01! -
Owner Indianola Theater Ad	
Driller G.M. Baker	Date 11-26-37
Well Head Elev. or M. P	
Elev. of Ground at Well	
Pumping Test:	
Static Level153!	
Normal Pumpage	
Motmat Fumpage	· <u>.</u>
Quality	lise
Quality	
Adequacy of supply	
and and or supply	
••••••	
Owner's Well No. or Other Designation	
Source of Data Driller	
Source of Data Driller Collected by S. Norris	Data 1942
Concrete by	Date5.5.4.4

Well Record No. 139

DEPTH STRATA From Dark Brown Shale 63 Dark Gray Shale Blue Shale 82 110 Brown Shale 157 228 Soapstone Dark Brown Limestone 244 Light Creamy Limestone 265 Gray Limestone 286 Y= 131,500-N

* Chief Aquifer